0590
12/10

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/991,225

DATE: 12/03/2001   P-5
TIME: 14:25:07

Input Set : A:\es.txt
Output Set: N:\CRF3\11212001\I991225.raw

ENTERED

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     3 <110> APPLICANT: Bristol-Myers Squibb Company
     5 <120> TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRBMY11,
EXPRESSED HIGHLY IN
     6         HEART AND VARIANTS THEREOF
     8 <130> FILE REFERENCE: D0075.NP
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/991,225
C--> 10 <141> CURRENT FILING DATE: 2001-11-16
    10 <150> PRIOR APPLICATION NUMBER: 60/249,613
    11 <151> PRIOR FILING DATE: 2000-11-17
    13 <150> PRIOR APPLICATION NUMBER: 60/257,611
    14 <151> PRIOR FILING DATE: 2000-12-21
    16 <150> PRIOR APPLICATION NUMBER: 60/305,818
    17 <151> PRIOR FILING DATE: 2001-07-16
    19 <160> NUMBER OF SEQ ID NOS: 81
    21 <170> SOFTWARE: PatentIn version 3.0
    23 <210> SEQ ID NO: 1
    24 <211> LENGTH: 1708
    25 <212> TYPE: DNA
    26 <213> ORGANISM: homo sapiens
    28 <220> FEATURE:
    29 <221> NAME/KEY: CDS
    30 <222> LOCATION: (515)..(1504)
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    35 ctgctacact tcctgacttg cttgctattg gttggcactg ttcataaata taatttgctc     120
    37 tttcactttt ctttgaaatg agcaacctga attactcgga ggagaaaggc aggagagata     180
    39 gaggcagcag aagccagggc agctgaaaga cagagacctt cagtctgaac caacaacaag     240
    41 caaagttaaa ttatggatat ccaagggagt ctatagaagg tccatgcaag acattttgac     300
    43 tacttgtctg aactagatat cccttgaatg tgcacacaaa aagtgaatgg gtcatttgat     360
    45 aagggaaaac taggttccaa gatggctgaa taggaagagc tccagtctgc agatcccagt     420
    47 gtgagcaacg tggaagatgg gtgatttctg catttccaac tgagcatgga gagaaaaatt     480
    49 tatgtccttg caaccatcca tctccgtatc agaa atg gaa cca aat ggc acc ttc     535
    50                                       Met Glu Pro Asn Gly Thr Phe
    51                                        1               5
    53 agc aat aac aac agc agg aac tgc aca att gaa aac ttc aag aga gaa     583
    54 Ser Asn Asn Asn Ser Arg Asn Cys Thr Ile Glu Asn Phe Lys Arg Glu
    55         10              15                  20
    57 ttt ttc cca att gta tat ctg ata ata ttt ttc tgg gga gtc ttg gga     631
    58 Phe Phe Pro Ile Val Tyr Leu Ile Ile Phe Phe Trp Gly Val Leu Gly
    59     25              30                  35
    61 aat ggg ttg tcc ata tat gtt ttc ctg cag cct tat aag aag tcc aca     679
    62 Asn Gly Leu Ser Ile Tyr Val Phe Leu Gln Pro Tyr Lys Lys Ser Thr
    63 40              45                  50                  55
    65 tct gtg aac gtt ttc atg cta aat ctg gcc att tca gat ctc ctg ttc     727
    66 Ser Val Asn Val Phe Met Leu Asn Leu Ala Ile Ser Asp Leu Leu Phe
    67                 60                  65                  70
    69 ata agc acg ctt ccc ttc agg gct gac tat tat ctt aga ggc tcc aat     775
    70 Ile Ser Thr Leu Pro Phe Arg Ala Asp Tyr Tyr Leu Arg Gly Ser Asn
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71              75              80              85
73 tgg ata ttt gga gac ctg gcc tgc agg att atg tct tat tcc ttg tat      823
74 Trp Ile Phe Gly Asp Leu Ala Cys Arg Ile Met Ser Tyr Ser Leu Tyr
75          90              95              100
77 gtc aac atg tac agc agt att tat ttc ctg acc gtg ctg agt gtt gtg      871
78 Val Asn Met Tyr Ser Ser Ile Tyr Phe Leu Thr Val Leu Ser Val Val
79     105             110             115
81 cgt ttc ctg gca atg gtt cac ccc ttt cgg ctt ctg cat gtc acc agc      919
82 Arg Phe Leu Ala Met Val His Pro Phe Arg Leu Leu His Val Thr Ser
83 120             125             130             135
85 atc agg agt gcc tgg atc ctc tgt ggg atc ata tgg atc ctt atc atg      967
86 Ile Arg Ser Ala Trp Ile Leu Cys Gly Ile Ile Trp Ile Leu Ile Met
87             140             145             150
89 gct tcc tca ata atg ctc ctg gac agt ggc tct gag cag aac ggc agt      1015
90 Ala Ser Ser Ile Met Leu Leu Asp Ser Gly Ser Glu Gln Asn Gly Ser
91             155             160             165
93 gtc aca tca tgc tta gag ctg aat ctc tat aaa att gct aag ctg cag      1063
94 Val Thr Ser Cys Leu Glu Leu Asn Leu Tyr Lys Ile Ala Lys Leu Gln
95          170             175             180
97 acc atg aac tat att gcc ttg gtg gtg ggc tgc ctg ctg cca ttt ttc      1111
98 Thr Met Asn Tyr Ile Ala Leu Val Val Gly Cys Leu Leu Pro Phe Phe
99     185             190             195
101 aca ctc agc atc tgt tat ctg ctg atc att cgg gtt ctg tta aaa gtg     1159
102 Thr Leu Ser Ile Cys Tyr Leu Leu Ile Ile Arg Val Leu Leu Lys Val
103 200             205             210             215
105 gag gtc cca gaa tcg ggg ctg cgg gtt tct cac agg aag gca ctg acc     1207
106 Glu Val Pro Glu Ser Gly Leu Arg Val Ser His Arg Lys Ala Leu Thr
107             220             225             230
109 acc atc atc atc acc ttg atc atc ttc ttc ttg tgt ttc ctg ccc tat     1255
110 Thr Ile Ile Ile Thr Leu Ile Ile Phe Phe Leu Cys Phe Leu Pro Tyr
111             235             240             245
113 cac aca ctg agg acc gtc cac ttg acg aca tgg aaa gtg ggt tta tgc     1303
114 His Thr Leu Arg Thr Val His Leu Thr Thr Trp Lys Val Gly Leu Cys
115             250             255             260
117 aaa gac aga ctg cat aaa gct ttg gtt atc aca ctg gcc ttg gca gca     1351
118 Lys Asp Arg Leu His Lys Ala Leu Val Ile Thr Leu Ala Leu Ala Ala
119     265             270             275
121 gcc aat gcc tgc ttc aat cct ctg ctc tat tac ttt gct ggg gag aat     1399
122 Ala Asn Ala Cys Phe Asn Pro Leu Leu Tyr Tyr Phe Ala Gly Glu Asn
123 280             285             290             295
125 ttt aag gac aga cta aag tct gca ctc aga aaa ggc cat cca cag aag     1447
126 Phe Lys Asp Arg Leu Lys Ser Ala Leu Arg Lys Gly His Pro Gln Lys
127             300             305             310
129 gca aag aca aag tgt gtt ttc cct gtt agt gtg tgg ttg aga aag gaa     1495
130 Ala Lys Thr Lys Cys Val Phe Pro Val Ser Val Trp Leu Arg Lys Glu
131             315             320             325
133 aca aga gta taaggagctc ttagatgaga cctgttcttg tatccttgtg           1544
134 Thr Arg Val
135             330
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137 tccatcttca ttcactcata gtctccaaat gactttgtat ttacatcact cccaacaaat   1604
139 gttgattctt aatatttagt tgaccattac ttttgttaat aagacctact tcaaaaattt   1664
141 tattcagtgt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa                     1708
144 <210> SEQ ID NO: 2
145 <211> LENGTH: 330
146 <212> TYPE: PRT
147 <213> ORGANISM: homo sapiens
149 <400> SEQUENCE: 2
151 Met Glu Pro Asn Gly Thr Phe Ser Asn Asn Asn Ser Arg Asn Cys Thr
152 1               5               10              15
155 Ile Glu Asn Phe Lys Arg Glu Phe Phe Pro Ile Val Tyr Leu Ile Ile
156             20              25              30
159 Phe Phe Trp Gly Val Leu Gly Asn Gly Leu Ser Ile Tyr Val Phe Leu
160         35              40              45
163 Gln Pro Tyr Lys Lys Ser Thr Ser Val Asn Val Phe Met Leu Asn Leu
164     50              55              60
167 Ala Ile Ser Asp Leu Leu Phe Ile Ser Thr Leu Pro Phe Arg Ala Asp
168 65              70              75              80
171 Tyr Tyr Leu Arg Gly Ser Asn Trp Ile Phe Gly Asp Leu Ala Cys Arg
172             85              90              95
175 Ile Met Ser Tyr Ser Leu Tyr Val Asn Met Tyr Ser Ser Ile Tyr Phe
176             100             105             110
179 Leu Thr Val Leu Ser Val Val Arg Phe Leu Ala Met Val His Pro Phe
180         115             120             125
183 Arg Leu Leu His Val Thr Ser Ile Arg Ser Ala Trp Ile Leu Cys Gly
184     130             135             140
187 Ile Ile Trp Ile Leu Ile Met Ala Ser Ser Ile Met Leu Leu Asp Ser
188 145             150             155             160
191 Gly Ser Glu Gln Asn Gly Ser Val Thr Ser Cys Leu Glu Leu Asn Leu
192             165             170             175
195 Tyr Lys Ile Ala Lys Leu Gln Thr Met Asn Tyr Ile Ala Leu Val Val
196             180             185             190
199 Gly Cys Leu Leu Pro Phe Phe Thr Leu Ser Ile Cys Tyr Leu Leu Ile
200         195             200             205
203 Ile Arg Val Leu Leu Lys Val Glu Val Pro Glu Ser Gly Leu Arg Val
204     210             215             220
207 Ser His Arg Lys Ala Leu Thr Thr Ile Ile Ile Thr Leu Ile Ile Phe
208 225             230             235             240
211 Phe Leu Cys Phe Leu Pro Tyr His Thr Leu Arg Thr Val His Leu Thr
212             245             250             255
215 Thr Trp Lys Val Gly Leu Cys Lys Asp Arg Leu His Lys Ala Leu Val
216             260             265             270
219 Ile Thr Leu Ala Leu Ala Ala Ala Asn Ala Cys Phe Asn Pro Leu Leu
220         275             280             285
223 Tyr Tyr Phe Ala Gly Glu Asn Phe Lys Asp Arg Leu Lys Ser Ala Leu
224     290             295             300
227 Arg Lys Gly His Pro Gln Lys Ala Lys Thr Lys Cys Val Phe Pro Val
228 305             310             315             320
231 Ser Val Trp Leu Arg Lys Glu Thr Arg Val
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Input Set : A:\es.txt
Output Set: N:\CRF3\11212001\I991225.raw

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235 <210> SEQ ID NO: 3
236 <211> LENGTH: 362
237 <212> TYPE: PRT
238 <213> ORGANISM: homo sapiens.
240 <400> SEQUENCE: 3
242 Met Thr Glu Ala Leu Ile Ser Ala Ala Leu Asn Gly Thr Gln Pro Glu
243 1               5                   10                  15
245 Leu Leu Ala Gly Gly Trp Ala Ala Gly Asn Ala Thr Thr Lys Cys Ser
246             20                  25                  30
248 Leu Thr Lys Thr Gly Phe Gln Phe Tyr Tyr Leu Pro Thr Val Tyr Ile
249         35                  40                  45
251 Leu Val Phe Ile Thr Gly Phe Leu Gly Asn Ser Val Ala Ile Trp Met
252     50                  55                  60
254 Phe Val Phe His Met Arg Pro Trp Ser Gly Ile Ser Val Tyr Met Phe
255 65                  70                  75                  80
257 Asn Leu Ala Leu Ala Asp Phe Leu Tyr Val Leu Thr Leu Pro Ala Leu
258             85                  90                  95
260 Ile Phe Tyr Tyr Phe Asn Lys Thr Asp Trp Ile Phe Gly Asp Val Met
261             100                 105                 110
263 Cys Lys Leu Gln Arg Phe Ile Phe His Val Asn Leu Tyr Gly Ser Ile
264         115                 120                 125
266 Leu Phe Leu Thr Cys Ile Ser Val His Arg Tyr Thr Gly Val Val His
267     130                 135                 140
269 Pro Leu Lys Ser Leu Gly Arg Leu Lys Lys Lys Asn Ala Val Tyr Val
270 145             150                 155                 160
272 Ser Ser Leu Val Trp Ala Leu Val Val Ala Val Ile Ala Pro Ile Leu
273             165                 170                 175
275 Phe Tyr Ser Gly Thr Gly Val Arg Arg Asn Lys Thr Ile Thr Cys Tyr
276             180                 185                 190
278 Asp Thr Thr Ala Asp Glu Tyr Leu Arg Ser Tyr Phe Val Tyr Ser Met.
279         195                 200                 205
281 Cys Thr Thr Val Phe Met Phe Cys Ile Pro Phe Ile Val Ile Leu Gly
282     210                 215                 220
284 Cys Tyr Gly Leu Ile Val Lys Ala Leu Ile Tyr Lys Asp Leu Asp Asn
285 225             230                 235                 240
287 Ser Pro Leu Arg Arg Lys Ser Ile Tyr Leu Val Ile Ile Val Leu Thr
288             245                 250                 255
290 Val Phe Ala Val Ser Tyr Leu Pro Phe His Val Met Lys Thr Leu Asn
291             260                 265                 270
293 Leu Arg Ala Arg Leu Asp Phe Gln Thr Pro Gln Met Cys Ala Phe Asn
294     275                 280                 285
296 Asp Lys Val Tyr Ala Thr Tyr Gln Val Thr Arg Gly Leu Ala Ser Leu
297     290                 295                 300
299 Asn Ser Cys Val Asp Pro Ile Leu Tyr Phe Leu Ala Gly Asp Thr Phe
300 305             310                 315                 320
302 Arg Arg Arg Leu Ser Arg Ala Thr Arg Lys Ser Ser Arg Arg Ser Glu
303             325                 330                 335
305 Pro Asn Val Gln Ser Lys Ser Glu Glu Met Thr Leu Asn Ile Leu Thr
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306             340             345             350
308 Glu Tyr Lys Gln Asn Gly Asp Thr Ser Leu
309         355             360
311 <210> SEQ ID NO: 4
312 <211> LENGTH: 362
313 <212> TYPE: PRT
314 <213> ORGANISM: homo sapiens
316 <400> SEQUENCE: 4
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319 1               5               10              15
321 Leu Leu Ala Gly Gly Trp Ala Ala Gly Asn Ala Ser Thr Lys Cys Ser
322         20              25              30
324 Leu Thr Lys Thr Gly Phe Gln Phe Tyr Tyr Leu Pro Thr Val Tyr Ile
325         35              40              45
327 Leu Val Phe Ile Thr Gly Phe Leu Gly Asn Ser Val Ala Ile Trp Met
328     50              55              60
330 Phe Val Phe His Met Arg Pro Trp Ser Gly Ile Ser Val Tyr Met Phe
331 65              70              75              80
333 Asn Leu Ala Leu Ala Asp Phe Leu Tyr Val Leu Thr Leu Pro Ala Leu
334             85              90              95
336 Ile Phe Tyr Tyr Phe Asn Lys Thr Asp Trp Ile Phe Gly Asp Val Met
337         100             105             110
339 Cys Lys Leu Gln Arg Phe Ile Phe His Val Asn Leu Tyr Gly Ser Ile
340         115             120             125
342 Leu Phe Leu Thr Cys Ile Ser Val His Arg Tyr Thr Gly Val Val His
343     130             135             140
345 Pro Leu Lys Ser Leu Gly Arg Leu Lys Lys Lys Asn Ala Val Tyr Val
346 145             150             155             160
348 Ser Ser Leu Val Trp Ala Leu Val Val Ala Val Ile Ala Pro Ile Leu
349             165             170             175
351 Phe Tyr Ser Gly Thr Gly Val Arg Arg Asn Lys Thr Ile Thr Cys Tyr
352         180             185             190
354 Asp Thr Thr Ala Asp Glu Tyr Leu Arg Ser Tyr Phe Val Tyr Ser Met
355         195             200             205
357 Cys Thr Thr Val Phe Met Phe Cys Ile Pro Phe Ile Val Ile Leu Gly
358     210             215             220
360 Cys Tyr Gly Leu Ile Val Lys Ala Leu Ile Tyr Lys Asp Leu Asp Asn
361 225             230             235             240
363 Ser Pro Leu Arg Arg Lys Ser Ile Tyr Leu Val Ile Ile Val Leu Thr
364         245             250             255
366 Val Phe Ala Val Ser Tyr Leu Pro Phe His Val Met Lys Thr Leu Asn
367         260             265             270
369 Leu Arg Ala Arg Leu Asp Phe Gln Thr Pro Gln Met Cys Ala Phe Asn
370         275             280             285
372 Asp Lys Val Tyr Ala Thr Tyr Gln Val Thr Arg Gly Leu Ala Ser Leu
373     290             295             300
375 Asn Ser Cys Val Asp Pro Ile Leu Tyr Phe Leu Ala Gly Asp Thr Phe
376 305             310             315             320
378 Arg Arg Arg Leu Ser Arg Ala Thr Arg Lys Ser Ser Arg Arg Ser Glu
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/991,225**

DATE: 12/03/2001
TIME: 14:25:08

Input Set : **A:\es.txt**
Output Set: **N:\CRF3\11212001\I991225.raw**

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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L:1812 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80
L:1814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80
L:1820 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:81
L:1838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81
L:1840 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81
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